

Fish and Wildlife Components of Alternatives - continued

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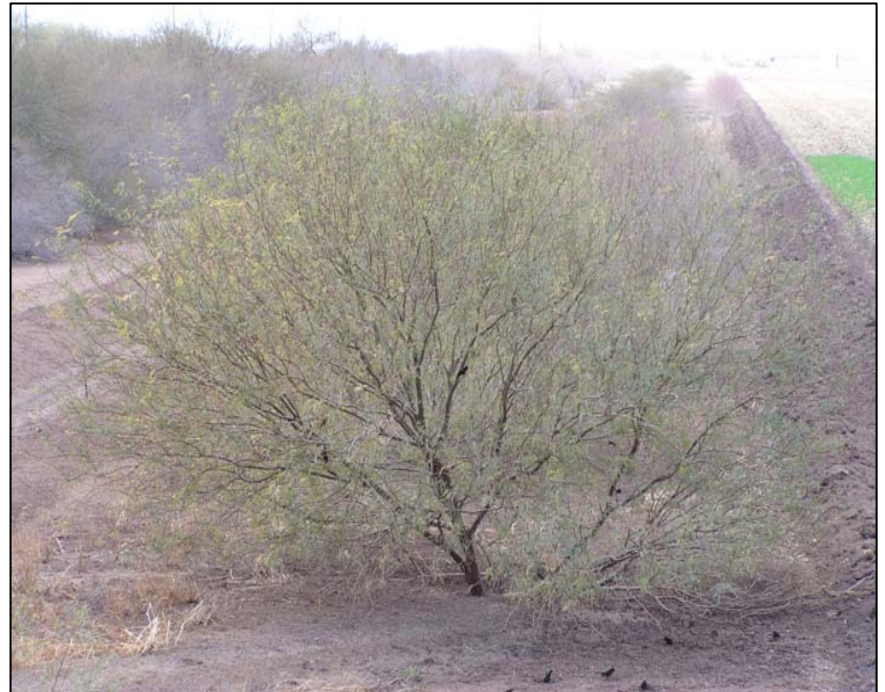
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Habitat Components (Cont'd)

Upland (riparian and desert woodland, and non-agricultural upland)

wildlife uses:

- ◆ foraging and nesting for song birds, game birds, and raptors
- ◆ foraging and nesting for wood storks and wading birds



Habitat Components (Cont'd)

Agricultural lands

wildlife uses:

- ◆ foraging and nesting for burrowing owls, song birds and game birds
- ◆ foraging for mountain plover
- ◆ foraging for wading birds (ibis, curlew, crane) and gulls



Engineering Options that result in Habitat Controls

◆ **Controllable features of alternatives**

- ⌘ Water surface elevation

- ⌘ Salinity

- ⌘ Other water quality constituents

◆ **All parameters are not independent**

- ⌘ Water surface, surface area, depth and salinity can be related

Alternative-Dependent and Independent Habitats

◆ Independent

- ⌘ Upland
- ⌘ Agricultural Lands
- ⌘ Managed Freshwater Marsh

◆ Dependent

- ⌘ Open Water
- ⌘ Shoreline
- ⌘ Salt Marsh
- ⌘ Shallow water

Key Water Quality Considerations

- ◆ **Salinity**
- ◆ **Selenium**
- ◆ **Dissolved Oxygen**
- ◆ **Metals**
- ◆ **Other constituents**

Summary

- ◆ **Fish and wildlife objectives consistent with legislative and policy direction**
- ◆ **Requires change from a dynamic, non-cyclical to a more stable ecosystem**
- ◆ **Abundance based on carrying capacity of future habitats**
- ◆ **Determined key habitats and functions**
- ◆ **Not all habitats dependent on infrastructure options**
- ◆ **Some characteristics are independently controllable.... while some are not**